PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION International Bureau



INTERNATIONAL APPLICATION PUBLIS	HED U	JNDER THE PATENT COOPERATION TREATY (PCT)
(51) International Patent Classification ⁶ :		(11) International Publication Number: WO 99/49945
A63C 19/00, 19/06, G09F 19/00	A1	(43) International Publication Date: 7 October 1999 (07.10.99)
 (21) International Application Number: PCT/GB (22) International Filing Date: 6 January 1999 ((30) Priority Data: 9806761.4 31 March 1998 (31.03.98) (71) Applicant (for all designated States except US): TURL LIMITED [GB/GB]; Lowfield House, 222 Welling South, Stockport, Cheshire SK2 6RS (GB). (72) Inventor; and (75) Inventor/Applicant (for US only): SIDDALL, Malca [GB/GB]; 89 Hollins Lane, Marple Bridge, Cheshire SK6 5DA (GB). (74) Agents: McNEIGHT, David, Leslie et al.; McLawrence, Regent House, Heaton Lane, Stockport SK4 1BS (GB). 	(06.01.9 C F IMAC gton Ro olm, Jo Stockpo	BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published With international search report.
(54) Title: METHOD OF MARKING INDICIA ONTO (57) Abstract	A GKA	29 PARLACE
	o a gras lifferen	ss surface which comprises the steps of rolling the grass of the surface in the desired image of the indicia.

FOR THE PURPOSES OF INFORMATION ONLY

Codes used to identify States party to the PCT on the front pages of pamphlets publishing international applications under the PCT.

AL	Albania	ES	Spain	LS	Lesotho	SI	Slovenia
AM	Armenia	FI	Finland	LT	Lithuania	SK	Slovakia
AT	Austria	FR	France	LU	Luxembourg	SN	Senegal
AU	Australia	GA	Gabon	LV	Latvia	SZ	Swaziland
AZ	Azerbaijan	GB	United Kingdom	MC	Monaco	TD	Chad
BA	Bosnia and Herzegovina	GE	Georgia	MD	Republic of Moldova	TG	Togo
BB	Barbados	GH	Ghana	MG	Madagascar	ТJ	Tajikistan
BE	Belgium	GN	Guinea	MK	The former Yugoslav	TM	Turkmenistan
BF	Burkina Faso	GR	Greece		Republic of Macedonia	TR	Turkey
BG	Bulgaria	HU	Hungary	ML	Mali	TT	Trinidad and Tobago
ВJ	Benin	IE	Ireland	MN	Mongolia	UA	Ukraine
BR	Brazil	IL	Israel	MR	Mauritania	\mathbf{UG}	Uganda
BY	Belarus	IS	Iceland	MW	Malawi	US	United States of America
CA	Canada	IТ	Italy	MX	Mexico	UZ	Uzbekistan
CF	Central African Republic	JP	Japan	NE	Niger	VN	Viet Nam
CG	Congo	KE	Kenya	NL	Netherlands	YU	Yugoslavia
СН	Switzerland	KG	Kyrgyzstan	NO	Norway	zw	Zimbabwe
CI	Côte d'Ivoire	KP	Democratic People's	NZ	New Zealand		
CM	Cameroon		Republic of Korea	PL	Poland		
CN	China	KR	Republic of Korea	PT	Portugal		
Cυ	Cuba	KZ	Kazakstan	RO	Romania		
CZ	Czech Republic	LC	Saint Lucia	RU	Russian Federation		
DE	Germany	LI	Liechtenstein	SD	Sudan		
DK	Denmark	LK	Sri Lanka	SE	Sweden		
EE	Estonia	LR	Liberia	\mathbf{SG}	Singapore		

WO 99/49945 PCT/GB99/00040

METHOD OF MARKING INDICIA ONTO A GRASS SURFACE

This invention concerns a method of marking indicia, and more particularly onto a grass surface.

Both here and throughout the specification by "indicia" we mean advertising messages, logos or similar, all intended to convey some meaning to the observer.

It is known to mark such as cricket grounds, using a line marking paint, with indicia such as the name and logo of an organisation sponsoring the match or event. Whilst such indicia is highly visible to spectators, including those participating through television, it would likely be a distraction to competitors or players in all but events being as sedate as cricket for example.

According to the present invention a method of marking indicia onto a grass surface comprises the steps of rolling the grass of the surface in one direction and rolling selected areas of the grass in a different direction to create the desired image of the indicia.

Either or both of the rolling operations may be accompanied by a mowing operation.

The unselected areas may be covered by a template to shield the underlying grass from the second rolling operation.

The template may be a flexible sheet of rubber, plastics or similar material.

The sheet may be pegged to the ground at spaced intervals prior to the second rolling operation.

The invention will be further apparent from the following description, with reference to the single figure of the accompanying drawing which shows in diagrammatic form the steps for practising one method embodying same.

Referring now to the drawing, the area 10 comprises a grass surface. It might be a football ground, cricket ground, horse racing track or similar.

The area 10 is rolled - usually as part of a mowing operation - in the direction of the arrow X. By the term rolled we include the possibility of brushing or any other operation designed to deflect the blades of grass in a chosen direction.

A template comprising one or more sheets 11 of a flexible plastics material having a thickness of about 5 mm and a shape corresponding with that of the indicia to be created is or are laid over the area 10 in appropriate positions and secured by pegs 12 at spaced intervals around their outer edges.

The area 10 is then rolled again in a different direction, preferably 180° from the direction of the first rolling as indicated by the arrow Y.

The sheet or sheets 11 shield the underlying grass from the second rolling operation whereby the lay of the sward is undisturbed whilst that of the surrounding areas is reversed.

After the second rolling operation the sheet or sheets 11 are removed.

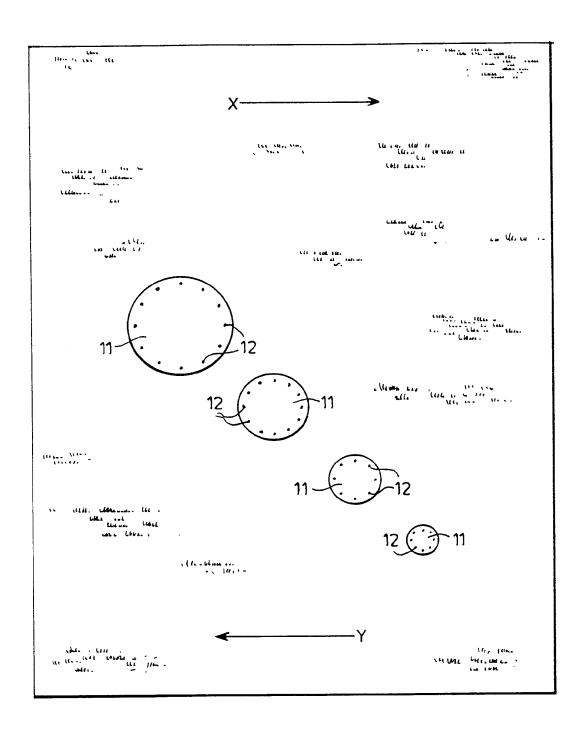
- 3 -

The resulting indicia is barely visible to the players of, for example, football on the ground and certainly no distraction, but is highly visible from the elevated position of spectators in the stands and television cameras.

It will be appreciated that it is not intended to limit the invention to the above example only, many variations, such as might readily occur to one skilled in the art, being possible, without departing from the scope thereof.

CLAIMS

- 1. A method of marking indicia onto a grass surface comprises the steps of rolling the grass of the surface in one direction and rolling selected areas of the grass in a different direction to create the desired image of the indicia.
- 2. A method according to claim 1, wherein either or both of the rolling operations is accompanied by a mowing operation.
- 3. A method according to claim 1 or claim 2, wherein the unselected areas are covered by a template to shield the underlying grass from the second rolling operation.
- 4. A method according to claim 3, wherein the template is a flexible sheet of rubber, plastics or similar material.
- 5. A method according to claim 4, wherein the sheet may be pegged to the ground at spaced intervals prior to the second rolling operation.



INTERNATIONAL SEARCH REPORT

ational Application No PCT/GB 99/00040

A. CLASSIF IPC 6	A63C19/00 A63C19/06 G09F19/	00	
	(IDC) and heath policy in the second	ation and IDC	
	International Patent Classification (IPC) or to both national classific	ation and IPC	
B. FIELDS	SEARCHED cumentation searched (classification system followed by classificat	ion symbols)	
IPC 6	A63C G09F		
Documentati	ion searched other than minimum documentation to the extent that	such documents are included in the fields sear	ched
Electronic da	ata base consulted during the international search (name of data b	ase and, where practical, search terms used)	
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the re	elevant passages	Relevant to claim No.
Χ	EP 0 636 393 A (JACOB HANNES)		1
1	1 February 1995		
	see claims		:
Х	WO 97 18021 A (ATHAR INT SERV SA		1
	HANNES (CH); MOEHRING EWALD (DE))	
	22 May 1997 see claims		
			_
A	US 4 306 406 A (FULKERSON DAVID	W ET AL)	1
	22 December 1981 see column 2, line 47 - column 3	3. line 32	
•		Ì	
Α	US 4 077 190 A (CRITES EDMOND W))	1
	7 March 1978 see column 1, line 25 - line 32		
		Total family members are listed in	n annov
Fur	rther documents are listed in the continuation of box C.	Patent family members are listed in	i ai ii lox.
° Special c	ategories of cited documents:	"T" later document published after the inter or priority date and not in conflict with t	national filing date
"A" docum	nent defining the general state of the art which is not idered to be of particular relevance	cited to understand the principle or the invention	
	r document but published on or after the international	"X" document of particular relevance; the cl cannot be considered novel or cannot	
"L" docum	nent which may throw doubts on priority claim(s) or h is cited to establish the publication date of another	involve an inventive step when the doc	cument is taken alone
citati	on or other special reason (as specified) ment referring to an oral disclosure, use, exhibition or	"Y" document of particular relevance; the cl cannot be considered to involve an inv document is combined with one or mo	entive step when the
othe	r means	ments, such combination being obviou in the art.	
"F" docun	ment published prior to the international filing date but than the priority date claimed	"&" document member of the same patent t	amily
Date of the	e actual completion of the international search	Date of mailing of the international sea	rch report
	26 April 1999	07/05/1999	
Name and	d mailing address of the ISA	Authorized officer	
ĺ	European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk		
	Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Herrmann, J	

INTERNATIONAL SEARCH REPORT

Information on patent family members

ational Application No

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0636393	3 A	01-02-1995	AT 166793 T AU 6864194 A BR 9402941 A CA 2128948 A CN 1102353 A CZ 9401805 A DE 69410709 D JP 7152336 A PL 304453 A US 5540516 A US 5681129 A	15-06-1998 09-02-1995 11-04-1995 29-01-1995 10-05-1995 15-02-1995 09-07-1998 16-06-1995 06-02-1995 30-07-1996 28-10-1997
W0 9718021	———— А	22-05-1997	AU 7276396 A	05-06-1997
US 4306406	Α	22-12-1981	NONE	
US 4077190	Α	07-03-1978	NONE	